

IN THE CLAIMS:

1.-4. (Cancelled)

5. (Currently Amended) A composition, comprising the nucleic acid according to ~~claim 2~~ claim 44 or claim 46.

6.-10. (Cancelled)

11. (Currently Amended) A vector comprising a nucleic acid according to ~~any one of claim 2-4~~ claim 44 or claim 46.

12. (Original) A recombinant cell comprising a vector according to claim 11.

13.-14. (Cancelled)

15. (Currently Amended) A kit for the detection of a human PTCH2 gene comprising in a container a nucleic acid according to ~~any one of claims 2 or 4~~ claim 44 or claim 46.

16.-43. (Cancelled).

44. (Previously Presented) An isolated nucleic acid consisting of the sequence of SEQ ID NO: 5.

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45. (Cancelled)

46. (Previously Presented) An isolated nucleic acid encoding a protein consisting of SEQ ID NO: 1.

47. (Cancelled)